

plc



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/834,901	04/16/2001	Young-Hyun Kang	P56352	5378

7590 12/03/2004
Robert E. Bushnell
1522 K Street, N.W., Suite 300
Washington, DC 20005-1202

EXAMINER

ZHONG, CHAD

ART UNIT PAPER NUMBER

2152

DATE MAILED: 12/03/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/834,901

Applicant(s)

KANG, YOUNG-HYUN

Examiner

Chad Zhong

Art Unit

2154

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-14 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-14 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

1. Claims 1-14 are presented for examination.
2. Applicant is required to update the status (pending, allowed, etc.) of all parent priority applications in the first line of the specification. The status of all citations of US filed applications in the specification should also be updated where appropriate.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-14 are rejected under 35 U.S.C. 102(b) as being anticipated by Harris, US 5,946,373.

5. As per claim 1, Harris teaches a method for managing alarm information in a network management system, comprising the steps of:

receiving alarm information generated from any of a plurality of network elements (abstract);

determining whether or not said alarm information corresponds to a logical alarm (abstract, wherein the alarms are corresponding to the trucks failure);

determining the location of the network element generating the alarm information, when it is determined that the alarm information corresponds to a logical alarm (Col. 2, lines 25-39);

searching a database to determine whether said database already has said alarm information stored therein, according to the location of the network element generating the alarm information (see for example, Col. 8, lines 5-15);

Art Unit: 2154

storing said alarm information when it is determined that said database does not have said alarm information already stored therein (see for example, Col. 8, lines 5-15);

increasing a count value representing a number of times in which the same alarm information has been generated, without redundantly storing said alarm information into said database, when it is determined that said alarm information is already stored in said database (see for example, Col. 8, lines 1-5, lines 30-35); and

storing the increased count value at a position corresponding to said alarm information already stored in said database (see for example, Col. 8, lines 30-35).

6. As per claim 2, Harris teaches the method as set forth in claim 1, wherein the step of searching said database further comprises the steps of:

analyzing said alarm information to detect its positional value and event type (Col. 2, lines 25-39; Col. 4, lines 5-25); and

determining whether said database has the alarm information of the same positional value and event type (Col. 8, lines 5-15).

7. As per claim 3, Harris teaches the method as set forth in claim 1, wherein the step of searching said database further comprises the steps of:

detecting the positional value of said alarm information from its data format (Col. 4, lines 5-25); and
identifying destination information by analyzing a virtual path identifier and a virtual channel identifier of subscriber connection information corresponding to the alarm location to determine an identity of a subscriber from which said alarm information was generated (see for example, Col. 4, lines 5-25; Col. 5, lines 3-35).

8. As per claim 4, Harris teaches the method as set forth in claim 1, further comprising a step of

Art Unit: 2154

parsing said alarm information for storage into said database when it is determined that the alarm information does not correspond to a logical alarm (Col. 8, lines 5-15).

9. As per claim 5, Harris teaches the method as set forth in claim 1, wherein said database comprises a plurality of network element tables, each corresponding to a respective one of said network elements, said step of storing further comprising storing said alarm information into the corresponding network element table of said database according to the location of the network element (see for example, Col. 5, lines 3-35, furthermore, database includes plurality of tables, it is inherent that any information stored within the database will be in tabular form).

10. As per claim 6, Harris teaches the method as set forth in claim 5, further comprising a step of converting the alarm information through a database application interface into a database data format of said database to be recorded as new alarm information in the network element table of the network element generating the alarm information (Col. 8, lines 18-29, wherein the conversion taken place comprises of combining with previous alarm data into a new data set corresponding to a trunk to be stored in the database).

11. As per claim 7, Harris teaches the method as set forth in claim 5, further comprising steps of:
displaying said alarm information stored in said database;
entering search parameters for finding a particular error corresponding to the alarm information or for finding a particular network element and its corresponding alarm information; and
displaying information retrieved as a result of said step of entering search parameters (see for example, Col. 4, lines 25-30; Col. 5, lines 35-60).

12. As per claim 8-14, claims 8-14 are rejected for the same reasons as rejection to claims 1-7 above respectively.

Conclusion

13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following patents and publications are cited to further show the state of the art with respect to "Method For Managing Alarm Information In A Network Management System".

- | | | |
|------|------------|----------------------|
| i. | US 5333183 | Herbert. |
| ii. | US 5596632 | Curtis et al. |
| iii. | US 6389464 | Krishnamurthy et al. |

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chad Zhong whose telephone number is (571)272-3946. The examiner can normally be reached on M-F 7:15 to 4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, FOLLANSBEE A John can be reached on (571)272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CZ
November 22, 2004


Dung C. Dinh
Primary Examiner